

1. Spring-Loaded Door Snare

Materials:

Car door spring

Steel cable or bike brake wire

Door frame or sturdy vertical structure

Mechanism:

Attach the spring to the top of the door frame and link it to a looped wire on the ground.

When someone steps into the loop, it triggers the spring, yanking the wire tight and hoisting the target's foot or leg upward.

2. Tire Slam Trap

Materials:

Two stacked car tires

Engine compression spring or bungee cords

Steel rod trigger

Mechanism:

Compress tires with springs between them and hold with a rod.

Tripwire pulls the rod, releasing stored energy and slamming tires into the target's legs or lower body—non-lethal but disorienting.

. Hood Guillotine

Materials:

Detached car hood

Heavy hinges or pulleys

Counterweights (alternator, battery)

Tripwire

Mechanism:

Suspend the hood upright on hinges above a narrow passage.

When tripwire is triggered, counterweight drops, and the hood swings or falls downward like a blade.

4. Magnetic Scrap Rain

Materials:

Large electromagnet (from an old junkyard crane or microwave transformer)

Assorted sharp scrap metal pieces

Weak release trigger or timing relay

Mechanism:

Scrap metal is held above using the magnet. When the current cuts off, the pieces rain down.

Great for defense or ambush zones.

1. Swinging Junk Alarm

Purpose: Alert or scare

Materials:

Old car door or muffler

Rope or bike chain

Pulley (or makeshift from wheel rim)

Empty paint cans with nails inside (for noise)

How it works:

Suspended junk item swings toward the intruder when a tripwire is triggered.

Makes loud noise, may gently bump the intruder, and alerts nearby people.

3. Foot Snare With Junk Pile Drop

Purpose: Temporary capture or block

Materials:

Wire cable (bike brake wire)

Car springs

Light junk (old tires, scrap sheet metal, plastic barrels)

How it works:

Stepping into the snare triggers a spring-loaded release of a pile of light junk from above or the side.

Harmless, but creates a mess and temporarily pins or surprises the intruder.

5. Air Horn Trip Alarm

Purpose: Scare and alert

Materials:

Air horn (from truck or boat)

String

Zip ties or tape

How it works:

Tripwire pulls the horn's trigger, creating a deafening blast.

No injury, just disorients and calls attention.